

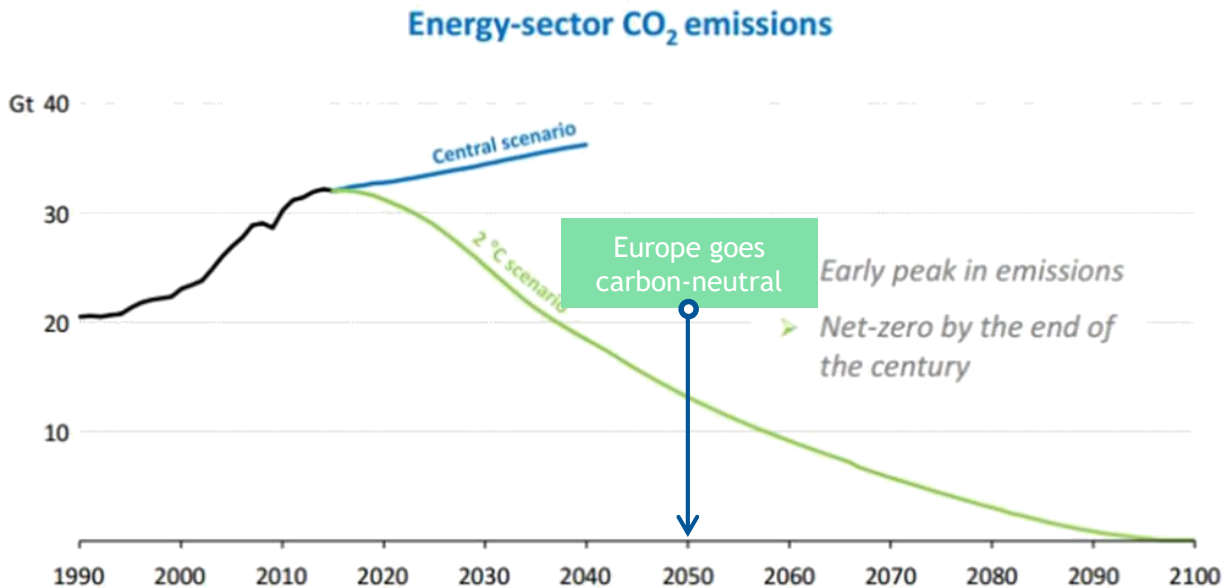


HOW OFFSHORE WIND WILL HELP EUROPE GO CARBON-NEUTRAL

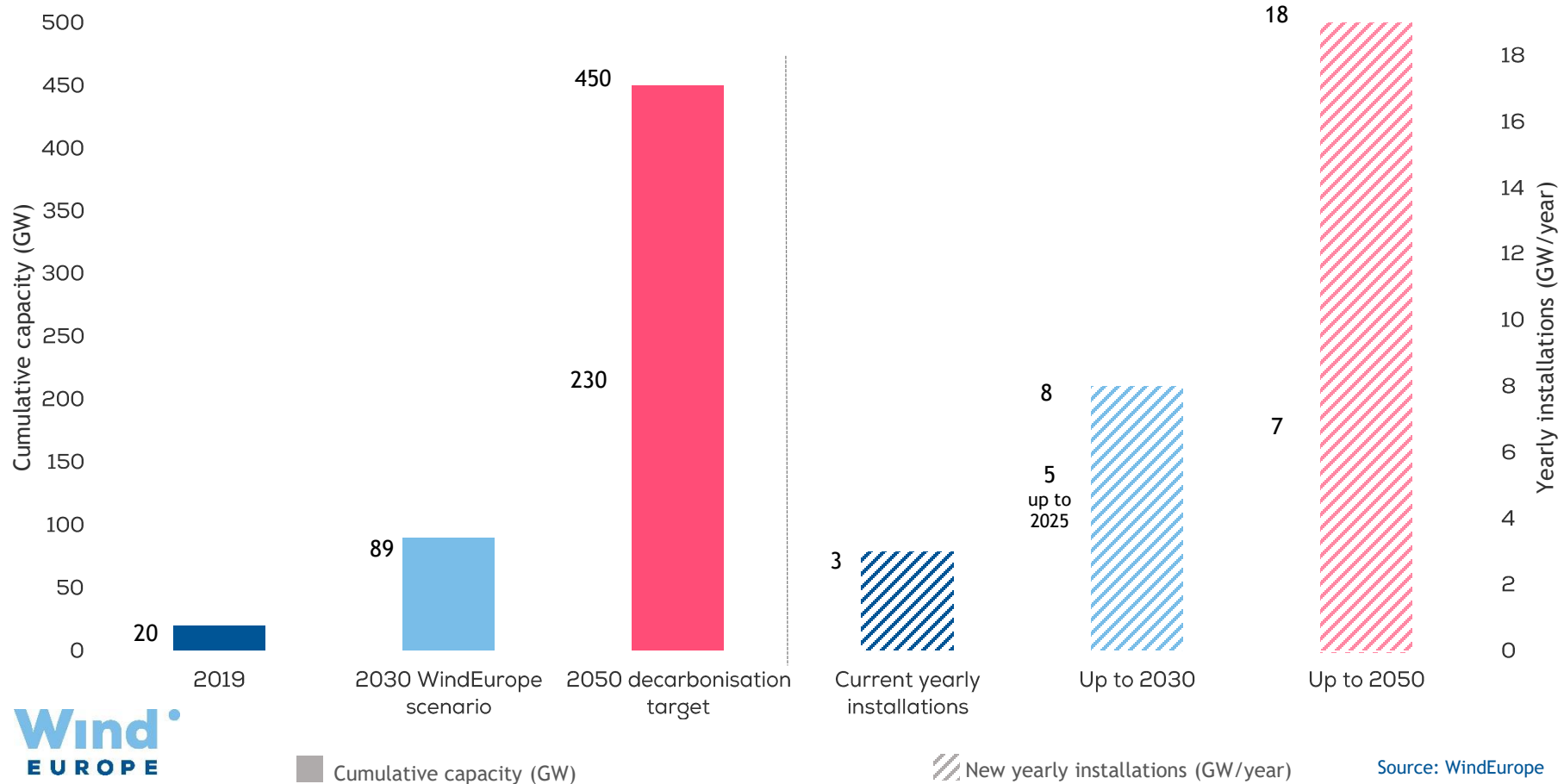
Lizet Ramírez

Offshore Analyst, WindEurope

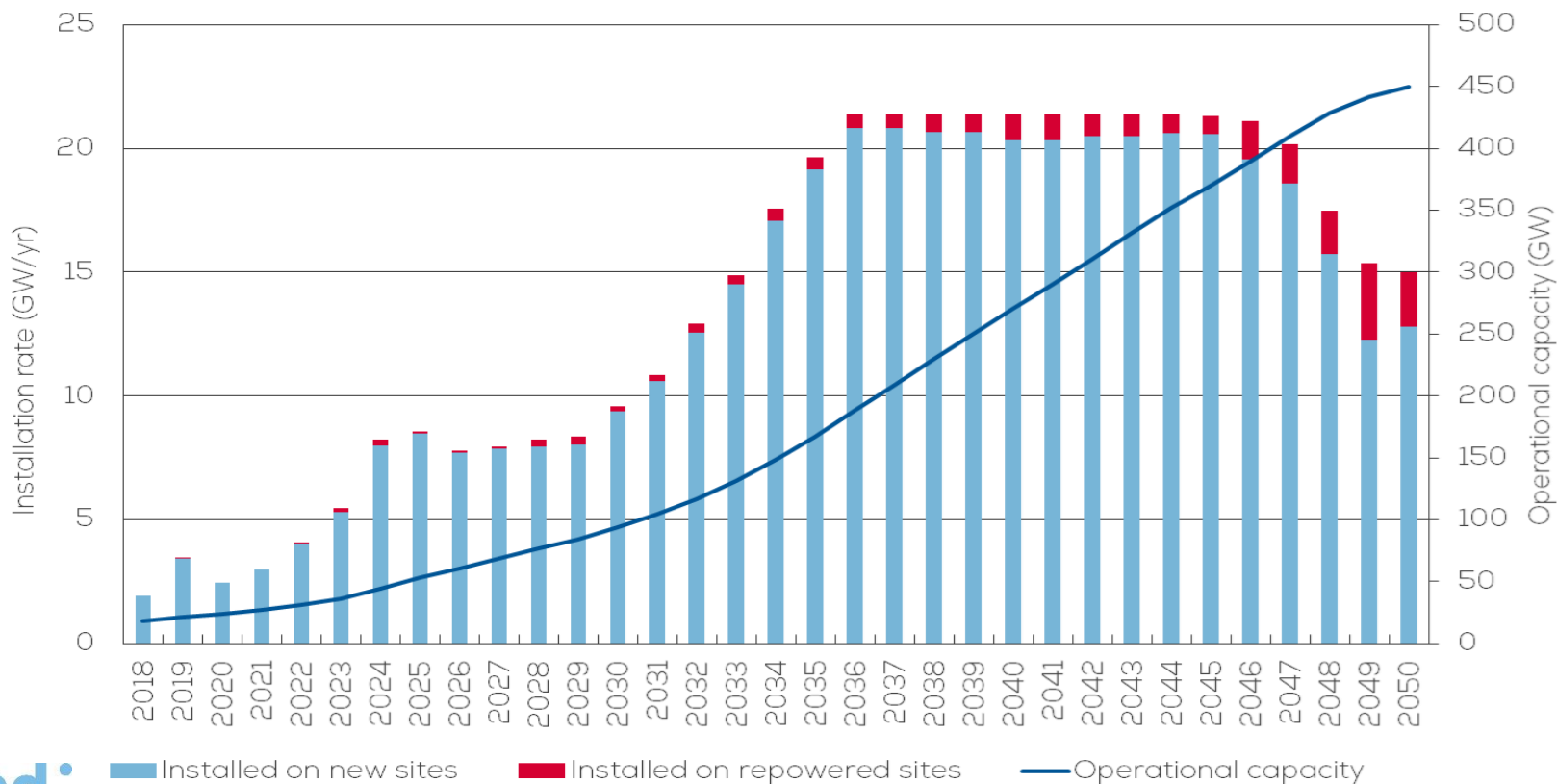
We must act on climate change



The expansion of offshore wind to 2050



How to deploy 450 GW





450 GW

1. Is it feasible?
2. Where?
3. How much will it cost?
4. When?



2050 vision:

450 GW

OF OFFSHORE WIND

85
GW

Atlantic Ocean

North Sea

212
GW

Baltic Sea

83
GW

70
GW

Southern European waters

Wind⁺
EUROPE

Source: BVG Associates for WindEurope

We can do it together



80 GW



60 GW



57 GW



36 GW



35 GW



30 GW



28 GW



22 GW



20 GW



15 GW



6 GW



4 GW

Rest of
Mediterranean

31 GW



3 GW



1 GW



13 GW



9 GW

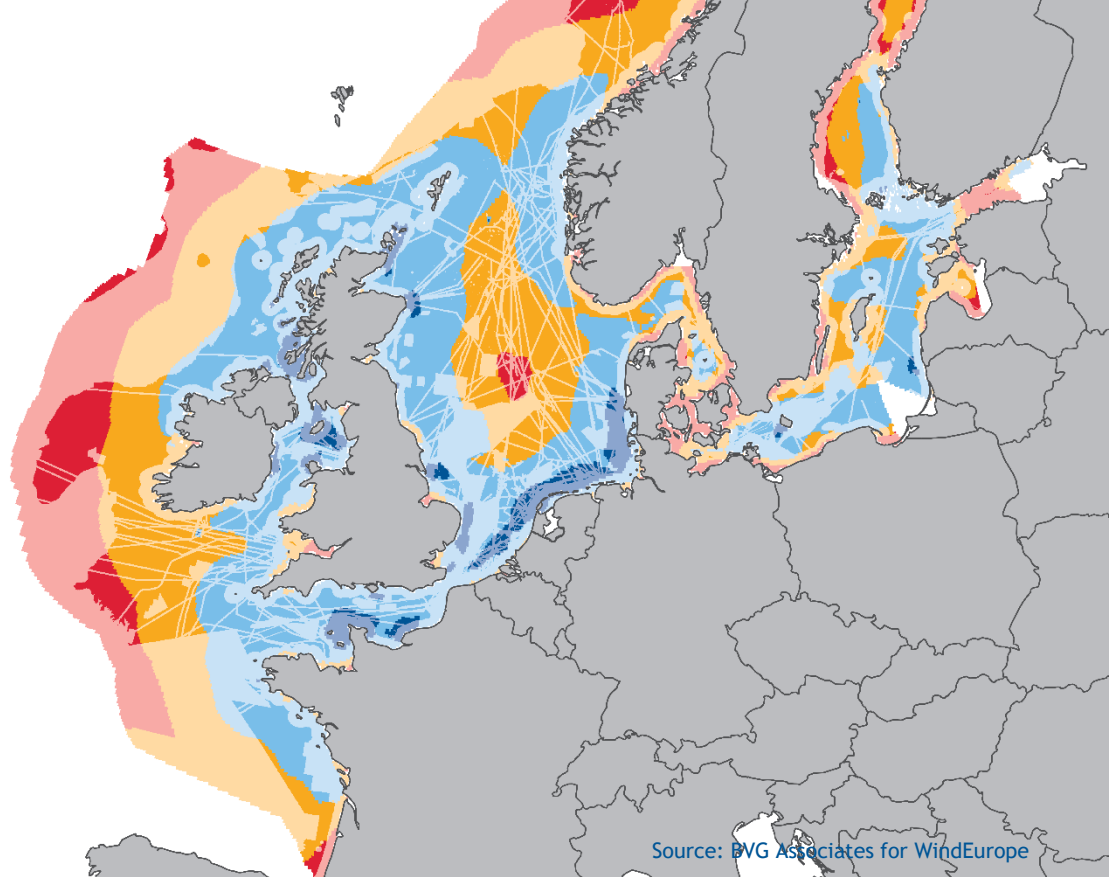
Where can we install it in the North Seas?

< 3%

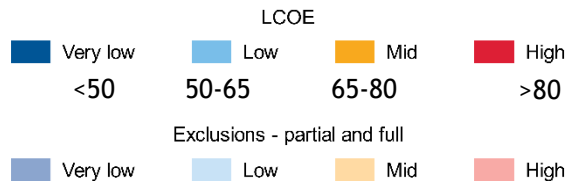
of total
sea area

60%

of sea area has
spatial exclusions

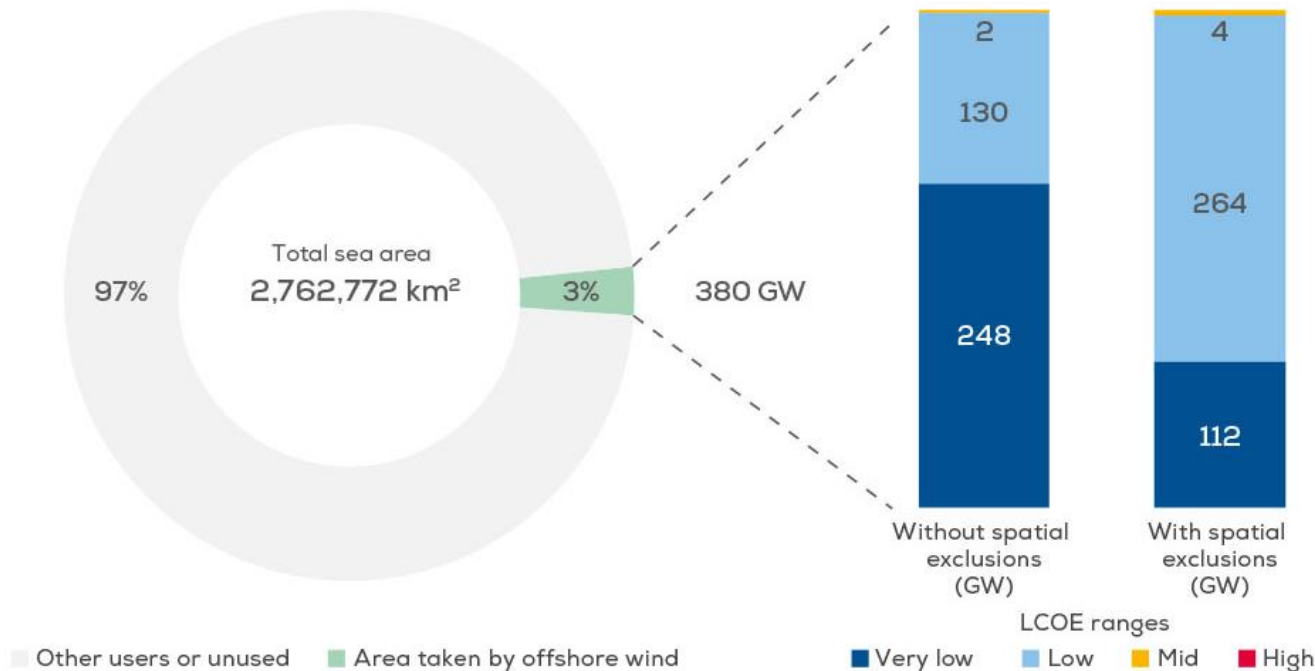


Source: BVG Associates for WindEurope



How much will it cost?

Distribution of area per sea per LCOE to allocate offshore wind in a scenario without and with spatial exclusions



Happy coexistence



1. 

Get your maritime
spatial planning right

2. 

Beef up your permitting
authorities

3. 

Accelerate grid
development -on and
offshore

4. 

EU regulatory framework
for hybrid projects

5. 

Electrify transport, heating
and industry

6. 

Visibility on volumes and
revenues

European Green Deal

“I want Europe to strive for more by being the first climate-neutral continent”

-Ursula von der Leyen



Wind[•]
EUROPE

windeurope.or



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